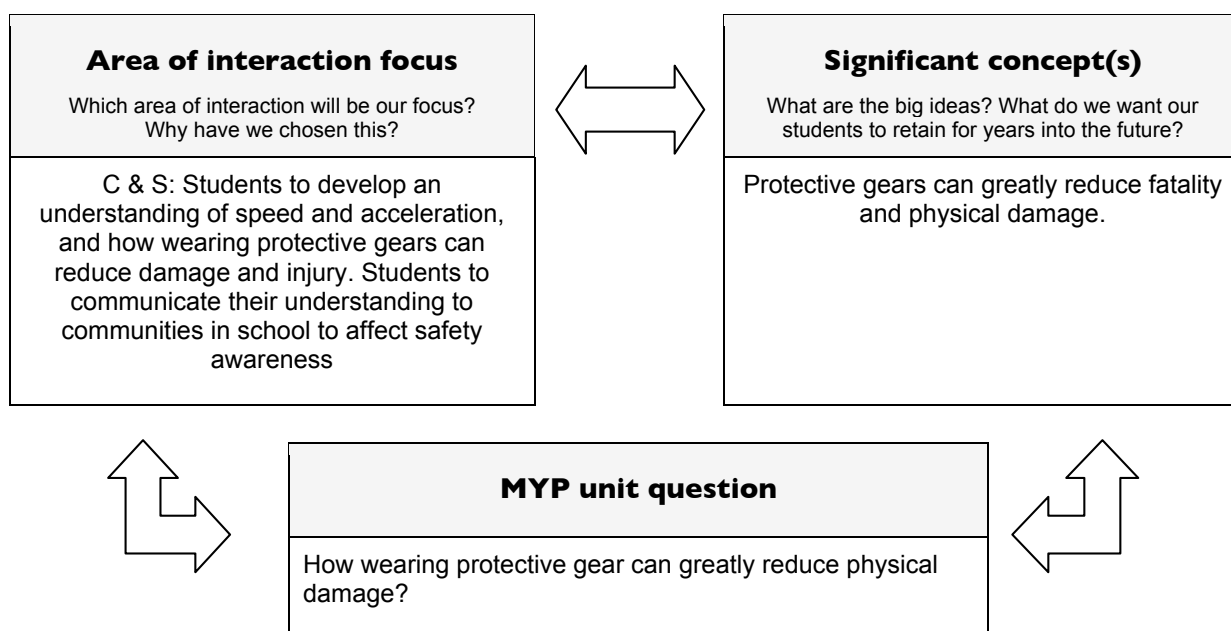


# MYP unit planner

<b>Unit title</b>	<b>Crash!</b>
Teacher(s)	Michael Ng Chin Guan
Subject and grade level	Science Physics / Grade 8
Time frame and duration	6 weeks

## Stage I: Integrate significant concept, area of interaction and unit question



### Assessment

What task(s) will allow students the opportunity to respond to the unit question?

What will constitute acceptable evidence of understanding? How will students show what they have understood?

**Science Investigation 1:** Students design a focused investigation on how adding protective layers on an egg prevents the egg from breaking. This investigation allows students to appreciate the effect of protective layers. **(D, E and F)**

**Science Investigation 2a:** Students design a focused investigation on how changing speed by altering inclination of egg rolling down from a platform affects the breaking of egg. Two situations will be tested: 1) with a protection 2) without a protection. **(D, E and F) or**

**Science Investigation 2b:** Students design a focused investigation on how changing speed of egg before colliding with a hard surface affects the breaking of egg. Two situations will be tested: 1) with a protection 2) without a protection. **(D, E and F)**

**60 seconds science:** Students communicate their findings from the investigation to affect awareness in school communities on the importance of protective gears on saving lives and limiting damages. **(B)**

**Essay:** Students write an essay on “ How effective are protective gears/systems in a car?”, which explores the safety features in cars and their impact on saving lives or limiting damage. **(A, B)**

**Unit Test:** Topics covered – speed, acceleration, momentum and impulse. **(C)**